



DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int.Cl.7)
A	DOUGLAS G L: "MULTI-PASS PRINTING WITH AUTOMATIC PAPER FEEDING" IBM TECHNICAL DISCLOSURE BULLETIN, IBM CORP. NEW YORK, US, vol. 27, no. 7A, 1 December 1984 (1984-12-01), pages 3909-3910, XP000715271 ISSN: 0018-8689 * the whole document *	1-9	B41J2/505
A	PATENT ABSTRACTS OF JAPAN vol. 012, no. 073 (M-674), 8 March 1988 (1988-03-08) & JP 62 215431 A (SHARP CORP.), 22 September 1987 (1987-09-22) * abstract *	1-9	
A	EP 0 644 142 A (ACE DENKEN KK) 22 March 1995 (1995-03-22) * the whole document *	1-9	
			TECHNICAL FIELDS SEARCHED (Int.Cl.7)
			B41J
The present search report has been drawn up for all claims			
Place of search THE HAGUE		Date of completion of the search 11 December 2002	Examiner Van den Meerschaut, G
CATEGORY OF CITED DOCUMENTS			
X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document		T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons & : member of the same patent family, corresponding document	

**ANNEX TO THE EUROPEAN SEARCH REPORT  
ON EUROPEAN PATENT APPLICATION NO.**

EP 02 10 2049

This annex lists the patent family members relating to the patent documents cited in the above-mentioned European search report.  
The members are as contained in the European Patent Office EDP file on  
The European Patent Office is in no way liable for these particulars which are merely given for the purpose of information.

11-12-2002

Patent document cited in search report		Publication date	Patent family member(s)		Publication date
JP 62215431	A	22-09-1987	NONE		
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EP 0644142	A	22-03-1995	JP	5338890 A	21-12-1993
			AU	668167 B2	26-04-1996
			DE	69314790 D1	27-11-1997
			DE	69314790 T2	09-04-1998
			EP	0644142 A1	22-03-1995
			US	5620177 A	15-04-1997
			AU	4089693 A	30-12-1993
			CA	2137241 A1	09-12-1993
			CN	1085868 A	27-04-1994
			WO	9324402 A1	09-12-1993
			JP	2673044 B2	05-11-1997
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# EUROPEAN PATENT OFFICE

## Patent Abstracts of Japan

PUBLICATION NUMBER : 62215431  
PUBLICATION DATE : 22-09-87

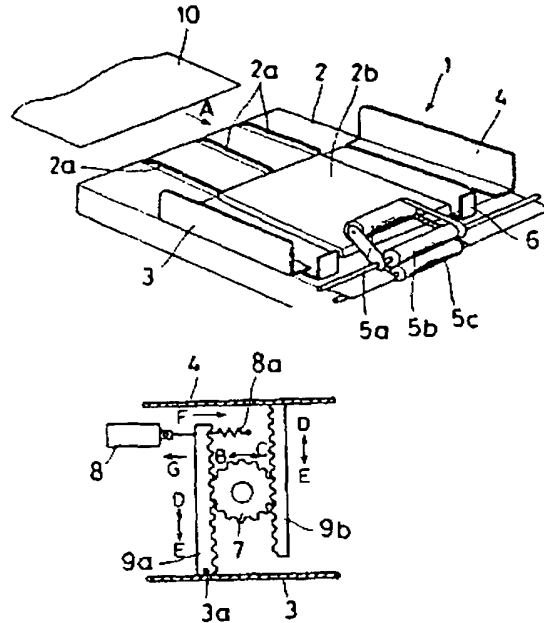
APPLICATION DATE : 14-03-86  
APPLICATION NUMBER : 61057452

APPLICANT : SHARP CORP;

INVENTOR : MOROOKA SATORU;

INT.CL. : B65H 1/30 B65H 1/04 B65H 31/34  
G03G 15/00

TITLE : COPYING MACHINE HAVING  
INTERMEDIATE TRAY



ABSTRACT : PURPOSE: To enable modification of the relative position between a photosensitive member and a paper sheet at a copy process section by providing a matching board for regulating the storing position of paper and controlling said matching board corresponding to the output from means for receiving the displacement of the storing position in the entering direction of paper.

CONSTITUTION: An intermediate tray 1 for temporarily storing a sheet of paper 10 under carrying in a copying machine and feeding again to a copy process section has an approximately planar tray face formed with a rib 2a and a projection 2b on the upper face thereof, where a front matching board 3, a rear matching board 4, paper feed rollers 5a~5c and a stopper 6 are arranged on said tray face. Respective matching boards 3, 4 are movable in the direction D or C through rack and gears 9a, 9b gearing with a pinion gear 7 which is rotated by means of a pulse motor not shown. The pulse motor is controlled corresponding to the output from a displacement input means (not shown) for receiving the displacement of the storing position in the perpendicular direction against the entering direction of paper 10.

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